

# KEYWORD RETRIEVAL METHOD AND DEVICE AND STORAGE MEDIUM STORING KEYWORD RETRIEVAL PROGRAM

**Publication number:** JP11328194 (A)

**Publication date:** 1999-11-30

**Inventor(s):** TAKENO HIROSHI; TOMITA JUNJI

**Applicant(s):** NIPPON TELEGRAPH & TELEPHONE

**Classification:**

- **international:** G06F17/30; G06F17/30; (IPC1-7): G06F17/30

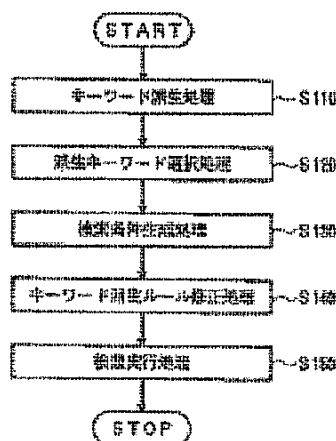
- **European:**

**Application number:** JP19980130351 19980513

**Priority number(s):** JP19980130351 19980513

**Abstract of JP 11328194 (A)**

**PROBLEM TO BE SOLVED:** To perform appropriate retrieval even in the case that a keyword is inappropriate by adding the keyword selected by a user to retrieval conditions inputted by the user, executing retrieval, correcting a rule base based on the keyword selected by the user and displaying the result of the retrieval to the user. **SOLUTION:** As a keyword derivation processing, the keyword included in the retrieval conditions inputted by the user is converted to the keyword more suited to the retrieval (S110). As a derivative keyword selection processing, the keyword connected in the keyword derivation processing is presented to the user and the user himself/herself selects the keyword considered as more appropriate (S120). As a retrieval condition generation processing, new retrieval conditions are generated by using the keyword selected by the user in the derivative keyword selection processing (S130). As a retrieval execution processing, the retrieval is executed by using the retrieval conditions generated in the retrieval condition generation processing (S140). The result of the retrieval is displayed by a retrieved result display part.



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# **DEVICE AND METHOD FOR RETRIEVING INFORMATION AND RECORDING MEDIUM**

**Publication number:** JP11161682 (A)

**Publication date:** 1999-06-18

**Inventor(s):** SAKO TAKAYUKI; KINOSHITA SATOSHI

**Applicant(s):** TOKYO SHIBAURA ELECTRIC CO

**Classification:**

- **International:** G06F17/27; G06F17/28; G06F17/30; G06F17/27; G06F17/28; G06F17/30; (IPC1-7): G06F17/30; G06F17/27; G06F17/28

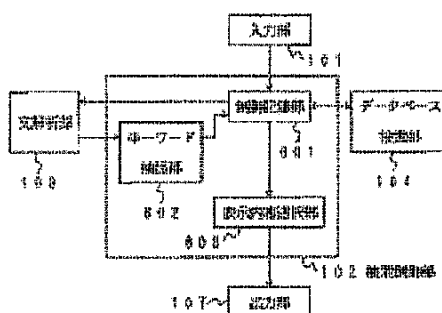
- **European:**

**Application number:** JP19980139539 19980521

**Priority number(s):** JP19980139539 19980521; JP19970263606 19970929

**Abstract of JP 11161682 (A)**

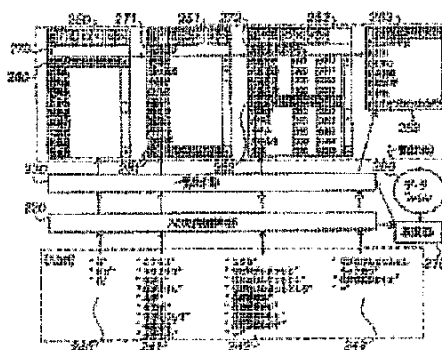
**PROBLEM TO BE SOLVED:** To reduce user's operation for narrowing more necessary information from a retrieval result required before by obtaining a key word and deciding data which should be presented as the retrieval result with respect to a data base based on designated character data and the obtained key word. **SOLUTION:** This system is provided with an input part 101, a retrieval control part 102, a sentence analytic part 103, a data base retrieving part 104, analyzing knowledge, a data base and an output part 107. The part 102 consists of a controlled storage part 601, a key word extracting part 602 and a displayed contents selecting part 603. At this device, character data of a word or an idiom in a document is designated. Then, one or plural key words are obtained based on a part in a prescribed relation with designated character data in the document.; Then based on designated character data and the obtained key word, data which should be presented as a retrieving result with respect to a prescribed data base is decided.



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**DATA INPUT DEVICE****Publication number:** JP8123821 (A)**Publication date:** 1996-05-17**Inventor(s):** NAKABAYASHI KAORU; MOCHIDA AKIRA**Applicant(s):** EE I SOFUTO KK**Classification:****- international:** G06F17/30; G06F17/30; (IPC1-7): G06F17/30**- European:****Application number:** JP19940264014 19941027**Priority number(s):** JP19940264014 19941027**Abstract of JP 8123821 (A)**

**PURPOSE:** To provide a data input device which can perform an easy-to-understand display in a simple operation system. **CONSTITUTION:** An input character string analyzing part 220 analyzes the data which are successively read out of a data file 200 of a hierarchical structure storing the addresses, etc., by a retrieving part 210 for each hierarchy and also analyzes such input character strings 240 to 243. Then the data retrieved by the part 210 are shown in the lists 250 to 253 at a list display part 230. A user can select these data lists by the up-down shifts of a cursor, can decide a common part by a single key in an incremental research where the head matching is retrieved for each input, and also can designate a data list by the head character of a word. Thus the user can easily and fast select the data lists.; In addition, the form of the final data can be selected through a candidate form list 253 and furthermore the input and the processing of plural types of data can be simplified since a form can be previously designed. An environment setting part is added to facilitate the display and the selection together with an input support part which starts the retrieving of other dictionaries based on the dictionary retrieving results, a growing key word, etc.

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# IMAGE SEARCH METHOD AND IMAGE SEARCH ENGINE DEVICE

Publication number: JP2002132832 (A)

Publication date: 2002-05-10

Inventor(s): LEE JAIRES; STEPHEN ROBERT LAWRENCE

Applicant(s): NIPPON ELECTRIC CO

Classification:

- international: G06F17/30; G06F3/00; G06F3/048; G06F17/30; G06F3/00; G06F3/048; (IPC1-7): G06F17/30; G06F3/00

- European: G06F17/30W1

Application number: JP20010237654 20010806

Priority number(s): US19970062958P 19971010; US19980113751 19980710

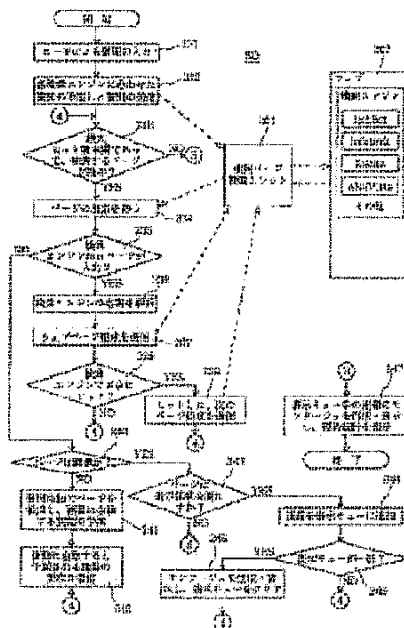
Also published as:

US6999959 (B1)

JP11191114 (A)

Abstract of JP 2002132832 (A)

**PROBLEM TO BE SOLVED:** To speedily and accurately present an image that a user really requires to the user when information on the Internet is searched for. **SOLUTION:** The image search engine and search method send a question to multiple third-party search engines on the Internet (web 202) (step 232) and analyzes answers from the respective search engines (step 236) to add images which are considered to match the question to a display queue (step 244). When the display queue becomes full, montages of images are generated and displayed (step 246).



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# **DEVICE AND METHOD FOR IMAGE RETRIEVAL AND COMPUTER-READABLE MEMORY**

**Publication number:** JP2000148795 (A)

**Publication date:** 2000-05-30

**Inventor(s):** YAMAMOTO KUNIHIRO; KUSAMA KIYOSHI; MATSUMOTO KENTARO; ENOKIDA MIYUKI

**Applicant(s):** CANON KK

**Classification:**

- **International:** G06F3/048; G06F17/30; G06F3/048; G06F17/30; (IPC1-7): G06F17/30; G06F3/00

- **European:** G06F17/30M8

**Application number:** JP19990214266 19990728

**Priority number(s):** JP19990214266 19990728; JP19980244579 19980831; JP19980244580 19980831; JP19980244582 19980831; JP19980244583 19980831; JP19980244585 19980831

**Also published as:**

EP0987638 (A2)

EP0987638 (A3)

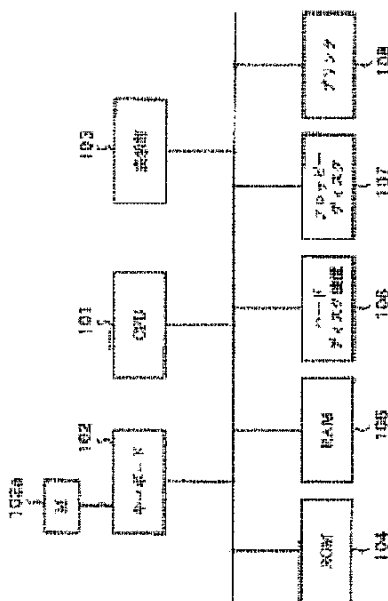
US6731826 (B1)

## **Abstract of JP 2000148795 (A)**

**PROBLEM TO BE SOLVED:** To provide a device and a method for image retrieval which enable efficient image retrieval while reflecting user's intention and a computer readable memory.

**SOLUTION:** Each of pieces of image data and its image feature quantities are stored on a hard disk device 106 while made to correspond to each other.

An image that the user draws is inputted as a retrieval condition from a pointing device 102a. A CPU 101 calculates the image feature quantity of the inputted image. According to the calculated image feature quantity and the image feature quantity of the image data, image similarity is calculated.



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## FACSIMILE EQUIPMENT

**Publication number:** JP9247334 (A)

**Publication date:** 1997-09-19

**Inventor(s):** HOSODA SATOSHI; HOB0 YOSHIHIRO; YAMAZAKI TOMOYUKI; FUJII  
MASANORI

**Applicant(s):** SANYO ELECTRIC CO

**Classification:**

- International: H04N1/00; H04M11/00; H04N1/00; H04M11/00; (IPC1-7): H04N1/00; H04M11/00

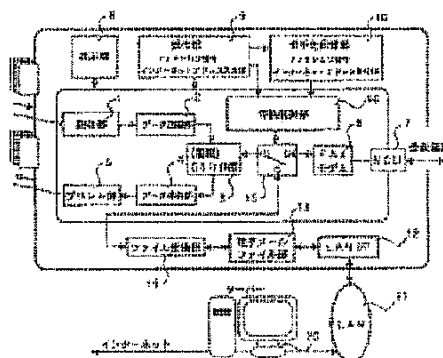
- **European:**

**Application number:** JP19960054737 19960312

**Priority number(s):** JP19960054737 19960312

**Abstract of JP 9247334 (A)**

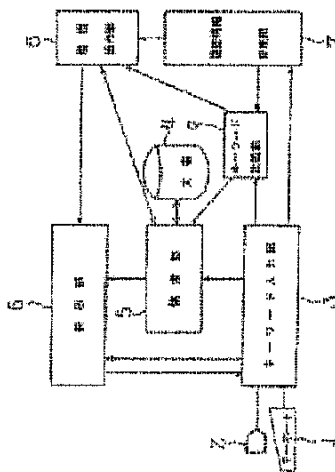
**PROBLEM TO BE SOLVED:** To provide a facsimile equipment that can send and receive a document by automatically selecting an internet or another public telephone line, etc., by one equipment. **SOLUTION:** This equipment is equipped with an operation part 9 where opposite party data is inputted, an opposite-party judging means (switching control part 16) which judges which of an internet address and a facsimile number the inputted opposite party data is, a file conversion part 14 which converts facsimile image data into electronic mail data, and a control means (switching control part 16 and switching part 15) which converts the facsimile image data into the electronic mail data and sends it through the internet when it is judged that the opposite party data is the internet address and FAXes the facsimile image when it is judged that the opposite party data is the facsimile number.; Then it is made possible to register an electric mail address with one-touch keys, abbreviation keys, etc., provided to the operation part 9.



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**DOCUMENT RETRIEVING METHOD****Publication number:** JP4086950 (A)**Publication date:** 1992-03-19**Inventor(s):** TERAMURA SHINSUKE**Applicant(s):** RICOH KK**Classification:**- **International:** G06F17/30; G06F17/30; (IPC1-7): G06F15/40- **European:****Application number:** JP19900202704 19900731**Priority number(s):** JP19900202704 19900731**Abstract of JP 4086950 (A)**

**PURPOSE:** To return to a retrieval condition on a previous stage at any time so as to execute retrieval again when it is judged that the finally inputted retrieval condition is not suitable by preserving retrieval information concerning stepwise retrieving operations as history information in a history information part. **CONSTITUTION:** A user inputs a keyword by a keyword input part 3. A retrieval part 5 prepares a retrieval keyword list so as to retrieve a document by using the inputted keyword and a keyword connection table. A display part 6 selectively displays the retrieved result. Simultaneously, the retrieval keyword (formula) and these information are preserved in a history information management part 7. The user inputs the next keyword and constructs the retrieval keyword formula. All the keyword formulas corresponding to retrieved results are preserved in the management part 7. A history operation part 8 is equipped with a function to return to the desired retrieval stage by retroacting to this history information. When the user judges that the finally inputted retrieval condition formula is not suitable, it is possible to return to the retrieval condition formula on the previous stage and to execute retrieval again, and efficient retrieval is enabled.



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